**Mineral Showcase Project**

You will create an original graphic presentation (infographic) exploring one particular mineral. Your presentation **must be in a format that can be hung up in the room/hallway** (informational poster, brochure, etc.). Make your presentation **creative and interesting**! You **must use the color printer in the library** to print your project's images. To use the library color printer you need to save your images to a flash-drive and take the flash drive to the librarian and then he or she will print it from their computer. **Colored pictures are required**. Gather all your images first, and then go to the library once to print them out. You may choose your own mineral from the over 4,000 identified minerals (see websites below) or simply pick your favorite mineral from the Mineral Box Lab (see your mineral box lab sheet).

**The following information must be included on your graphic presentation:**

1. Mineral name

2. Mineral characteristics:

a. Chemical composition (formula)

b. Color (include various forms if applicable)

c. Hardness

d. Luster (metallic or non-metallic, then include like sparkly, reflective, glassy, dull, etc.)

e. Texture (rough, smooth, soapy, etc.)

f. Streak

g. Other properties

* Magnetic?
* Fluorescent?
* Distinctive Crystal Shape?
* Cleavage/Fracture?
* Unique appearance?
* Rarity?
* Unique Taste or Smell?

3. Where is the mineral found (include a world map with highlighted areas showing where the mineral is most commonly found)

4. How the mineral is most commonly mined (quarried, underground mine, etc.) and/or processed.

5. Principal uses (most common uses).

6. Picture of mineral in raw (the ore, what it looks like coming out of the ground) and crystal form

7. Picture and name of a rock that contains your mineral (may also be the ore):

* Include identification of rock type (sedimentary, igneous, or metamorphic)

**Here are some helpful websites:**

Minerals database: <http://www.mineralseducationcoalition.org/minerals>

Mineral & Gemstone Kingdom: <http://www.minerals.net/MineralMain.aspx>

Minerals by Name: <http://www.galleries.com/Minerals_By_Name>

\*Staple or tape this page to the back of your project!

**Grade: \_\_\_\_\_\_\_\_\_\_\_\_\_/75**